

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR03/00616

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 B29C 63/02, 65/18, 65/20, B32B 31/00, 31/00, 35/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 B29C 63/02, 65/18, 65/20, B32B 31/00, 31/10, 35/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions, since 1975

Korean Utility models and applications for utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CAS on line

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 3290232 A (SOMAR CORP.) 19 December 1991 (19-12-1991) See the whole document	1-12
A	JP 4125128 A (Matsumoto Shoji) 24 April 1992 (24-04-1992) See the whole document	1-12
A	JP 7108604 A (Matsumoto Shoji) 25 April 1995 (25-04-1995) See the whole document	1-12
A	JP 3093016 U (Tokufuchi Co. Ltd.) 22 January 2003 (22-01-2003) See the whole document	1-12
A	KR 20-0184889 Y1 (Seong Seo Corp.) 01 June 2000 (01-06-2000) See the whole document	1-12
A	KR 20-0263043 Y1 (Seo, Byung Hyun) 31 January 2002 (31-01-2002) See the whole document	1-12
A	KR 20-0291906 Y1 (Shin IL INDUSTRIAL CO., LTD.) 11 October 2002 (11-10-2002) See the whole document	1-12

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family


Date of the actual completion of the international search

29 DECEMBER 2003 (29.12.2003)

Date of mailing of the international search report

29 DECEMBER 2003 (29.12.2003)

Name and mailing address of the ISA/KR

 Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

CHUNG, Jin Sung

Telephone No. 82-42-481-5546



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR03/00616

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 3290232 A	19-12-1991	US 5114526 A DE 4032711 A1 CA 2026251 AA	19-05-1992 10-10-1991 07-10-1991
JP 4125128 A	24-04-1992		NONE
JP 7108604 A	25-04-1995		NONE
JP 3093016 U	22-01-2003		NONE
KR 20-0184889 Y1	01-06-2000		NONE
KR 20-0263043 Y1	31-01-2002		NONE
KR 20-0291906 Y1	11-10-2002		NONE